

people who can not control their bowel movements and use diapers. They also could use the poly-bag-pack as need. These are just a few of the possible uses and many more will become apparent as the poly-bag-pack becomes available on the market, such as on airplanes in the toilet compartment, etc.

It should be noted that the embodiments discloses above are not intended to limit this invention thereto, and that various variations may be made without departing from the spirit and scope of the present invention.

What is claimed is:

1. A pack of poly bags comprising:

a plurality of poly bags, each of said poly bags being folded at least once along the width direction thereof and at least once along the length direction thereof, said folded poly bags being stacked on top of each other; and

a cover for wrapping around said folded poly bags, said cover being formed of a thin film and having an opening for allowing said folded poly bags to be pulled out therethrough, each folded poly bag automatically unfolding itself along the length direction thereof as it is being pulled out of said opening in said cover and each poly bag coming out of said opening in said cover with the open end thereof first.

2. A pack of poly bags as defined in claim 1, wherein:

said poly bags are joint to each other along the width direction thereof and have perforated lines formed along the width direction of each poly bag for facilitating the tearing apart of each poly bag from an adjacent poly bags, each folded poly bag automatically unfolding itself along the length direction thereof as it is being pulled out of said opening in said cover, so that the bag pulled out of said cover can be easily torn away at the perforated line from the bag adjacent to it, even though the pulled out bag is still folded along the width direction thereof, since the perforated line of the still partly folded bag overlap in a straight line.

3. A pack of poly bags as defined in claim 2, wherein:

said poly bags in said cover are folded twice along the width direction thereof and then at least 3 times along the length direction thereof, thereby requiring much less surface area as compared to the normal size of the bags.

4. A pack of poly bags as defined in claim 1, wherein:

said folded bags in said plurality of bags are stacked on top of each other with each of said folded bags having a last folded portion thereof tucked into a first folded portion of an adjacent bag, so that pulling out a thus folded poly bag out of said pack, causes the bag being pulled out of said cover to not only automatically unfold along the length direction thereof as it is coming out of said opening in said cover, but also causes the first folded portion of an adjacent bag to the bag being pulled out to also come out of said opening in said bag, said bags coming out of said pack with the open ends thereof coming out first.

5. A pack of poly bags as defined in claim 4, wherein:

said poly bags in said cover are folded twice along the width direction thereof and then at least 4 times along the length direction thereof.

6. A pack of poly bags as defined in claim 1, wherein said poly bags are 250 millimeters wide and 300 millimeters long.

7. A method of storing a plurality of poly bags in a substantially smaller vinyl cover comprising the steps of:

folding each of said poly bags along the width thereof at least once;

folding each of said poly bags along the length thereof at least once;

stacking the folded poly bags on top of each other with a last folded portion of one bag tucked into a first folded section of an adjacent poly bag and so on, so that when a poly bag is pulled out an opening in said cover, a portion of an adjacent bag to the bag being pulled out is also pulled out of said cover.

8. A storage-dispensing device for housing a pack of poly bags therein and for sequentially dispensing the poly bags stored in said pack of poly bags one at a time, which comprises:

a container portion for storing said pack of poly bags therein;

a cover portion for closing an open side of said container portion;

a divider portion for separating said container portion and said cover portion into two compartments, said divider portion having a through hole formed through the center thereof for allowing poly bags stored in said pack of poly bags stored in said container portion to be sequentially pulled out through said through hole in said divider portion; and

means for joining said container portion, cover portion and divider portion to each other.

9. A storage-dispensing device as claimed in claim 8, wherein said joining means comprises:

a first flexible hinge joining said container portion to said divider portion;  
and

a second flexible hinge joining said container portion to said cover portion, said portions and said hinges being integrally formed with each other.

10. A storage-dispensing device as claimed in claim 8, wherein said joining means comprises:

a first flexible hinge joining said container portion to said divider portion,  
a second flexible hinge joining said cover portion to said divider portion,  
said portions and said hinges being integrally formed with each other.

11. A storage dispensing device as claimed in claim 8, wherein said container portion of said device is integrally formed with a case portion of a dog leash storage-extention apparatus, said divider portion comprising mounting means for mounting said divider portion in said container portion and said cover portion

comprising mounting means for mounting said cover portion on said dog leash case portion, and a hinge portion integrally formed with said cover portion mounting means and said cover portion, so that said cover can swivel to open and close said container portion.

12. A storage dispensing device as claimed in claim 8, wherein said divider portion further comprises a plurality of finger like flexible protrusions integrally formed therewith, said protrusions extending from the periphery of said hole partially into the center of said hole, said protrusion preventing a portion of a next available bag extending through said hole and between said protrusions from falling back into said container portion, thereby ensuring that the extending end of a next available bag is accessible once said cover portion is opened.

13. A storage dispensing device as claimed in claim 8, further comprising: means for mounting a scooper pooper for picking up dog excrement, said mounting means being integrally formed with said device.

14. A dog leash extending-retracting apparatus, which comprises:  
a lower case portion;  
an upper case portion;  
means for connecting said upper and lower case portions to each other;  
a rope extension retraction device;  
means for mounting said rope extension-retraction device between said upper and lower case portions;  
biasing means for keeping a rope wound on said rope extension-retraction device in a wound up state inside said apparatus;  
activation means for allowing said rope to be extended through a hole formed at one end of said case portions out of said apparatus; and  
a poly bag pack storage-dispensing means integrally formed with said apparatus for storing a pack of poly bags containing a plurality of folded poly bags

in one compartment thereof and for dispensing said folded poly bags through another compartment thereof.

15. A dog leash extending retracting apparatus as defined in claim 14, wherein:

said poly bag pack storage-dispensing means comprises:

a container portion integrally formed with said upper case portion for storing a pack of poly bags therein, the container portion extending from the inner surface of said lower case portion to the outside surface of said upper case portion;

a cover portion for closing and opening an opening in said container portion;

mounting means for mounting said cover on said upper case portion;

a divider portion having a through hole formed through the center thereof for allowing poly bags stored in said pack of poly bags to pass therethrough; and

means for mounting said divider portion inside said container portion.

16. A dog leash extending retracting apparatus as defined in claim 14, wherein:

said poly bag pack storage-dispensing means comprises:

a container portion integrally formed with said lower case portion for storing a pack of poly bags therein, the container portion extending from the inner surface of said lower case portion to the outside surface of said upper case portion;

a cover portion for closing and opening an opening in said container portion;

mounting means for mounting said cover on said upper case portion;

a divider portion having a through hole formed through the center thereof for allowing poly bags stored in said pack of poly bags to pass therethrough; and

means for mounting said divider portion inside said container portion.

17. A scooper for picking up dog excrement in combination with a poly bag, which comprises:

two leg portions; and

means for joining one end of said leg portions to each other, said leg portions and/or said joining means being formed of a resilient material so that the other ends of said leg portions return to a given position apart from each other after being pushed towards each other for the purpose of grabbing a piece of dog excrement therebetween.

18. A scooper for picking up dog excrement as defined in claim 17, wherein: said joining means comprises a flat portion, one end of said leg portions being integrally formed with said flat portion, each leg portion comprising a protrusion formed along a central portion thereof and a semi-cylindrical portion formed along the other end thereof, said leg portions facing each other, the distance between said leg portions being smallest where said leg portions join with said flat portion and furthest at said semi-cylindrical portions, said leg portions being formed of a resilience material, so that said leg portions return to their original position after being pushed towards each other.

19. A scooper for picking up dog excrement as defined in claim 18, wherein said scooper is formed using conventional injection molding techniques, said flat portion and said leg portions having a profile which resembles a dog or a famous cartoon character.

20. A scooper for picking up dog excrement as defined in claim 17, wherein said joining means and said leg portions are formed of a flat sheet of resilient metal or plastic, said flat sheet being stamped out of a larger sheet and having a central portion thereof curved so that the portions of said flat sheet extending away from said curved central portion define said two legs and said curved portion define said joining means, said leg portions being furthest from each other at the extending ends thereof.